



# Echem ENVIRONMENTAL TESTING LABORATORY CORPORATION

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DOH Accreditation No.03-010-2325-LW-2 Valid until December 31, 2025  
 DENR C.R.No. 074/2023 Valid until June 24, 2026

## TEST REPORT

Client: **Manila Water Philippine Ventures (MWPV)** Test Report No.: **TR-23J-199**  
 Address: **3<sup>rd</sup> Floor, One Joroma Place, Congressional Avenue, Quezon City** Date and Time Received: **03 Oct 2023 @06:00PM**  
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**  
 COC Number: **2023-J0035** Report Date: **12 Oct 2023**

Sample ID: **S23-J03-082W** Sampling Date: **03 Oct 2023**  
 Sample Description: **Effluent** Sampling Time: **11:50 AM**  
 Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Biochemical Oxygen Demand (BOD <sub>5</sub> )	<2	mg/L	50	5-Day BOD Test	04 Oct-09 Oct 2023	KTD
Fecal Coliform	<1.8	MPN/100 mL	400	Multiple Tube Fermentation Technique	03 Oct 2023 @07:40PM	JFS
Surfactants (MBAS)	0.08	mg/L	15	Anionic Surfactants as MBAS	04 Oct 2023	JLG
Ammonia as NH <sub>3</sub> -N	0.01	mg/L	4.0	Phenate	05 Oct 2023	MCD
Nitrate as NO <sub>3</sub> -N	2	mg/L	14	Colorimetric, Brucine	04 Oct 2023	CSF
Oil and Grease	3	mg/L	5	Liquid-Liquid, Partition Gravimetric	03 Oct 2023	CSF
pH (on-site)	7.82 @28.3°C	---	6.0-9.5	Electrometric	03 Oct 2023	MGF
Phosphate	0.77	mg/L	4.0	Stannous Chloride	05 Oct 2023	MCD

Sample ID: **S23-J03-083W** Sampling Date: **03 Oct 2023**  
 Sample Description: **Influent** Sampling Time: **11:55 AM**  
 Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Biochemical Oxygen Demand (BOD <sub>5</sub> )	8	mg/L	---	5-Day BOD Test	04 Oct-09 Oct 2023	KTD
Fecal Coliform	2.4X10 <sup>6</sup>	MPN/100 mL	---	Multiple Tube Fermentation Technique	03 Oct 2023 @07:45PM	JFS
Surfactants (MBAS)	2.6	mg/L	---	Anionic Surfactants as MBAS	04 Oct 2023	JLG
Ammonia as NH <sub>3</sub> -N	6.7	mg/L	---	Phenate	05 Oct 2023	MCD
Nitrate as NO <sub>3</sub> -N	<0.10	mg/L	---	Colorimetric, Brucine	04 Oct 2023	CSF
Oil and Grease	5	mg/L	---	Liquid-Liquid, Partition Gravimetric	03 Oct 2023	CSF
pH (on-site)	7.35 @28.8°C	---	---	Electrometric	03 Oct 2023	MGF
Phosphate	0.39	mg/L	---	Stannous Chloride	05 Oct 2023	MCD

### Notes & References:

Standard Methods for the Examination of Water and Wastewater, 24th Edition.  
 Water Quality Guidelines and General Effluent Standards of 2016, DENR Administrative Order No. 2016-08, Class C Effluent.  
 Water Quality Guidelines and General Effluent Standards of 2021, DENR Administrative Order No. 2021-19, Class C Effluent.  
 a. Temperature difference of the background value and discharge point.

#### Certified by:

*Anita H. Pineda* 12 Oct 2023  
 Anita H. Pineda, RMT  
 Medical Technologist, PRC No. 52546

*Loren Grace D. Montoya* 12 Oct 2023  
 Loren Grace D. Montoya, RCh  
 Chemist, PRC No. 12651

#### Approved by:

*May Ann M. Estavillo* 12 Oct 2023  
 May Ann M. Estavillo, RCh  
 QA/QC Manager, PRC No.8652

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